

DOS Editing Keys

<div>Del</div>	Skip one character in retained line
<div>Esc</div>	Cancel current line
<div>F1</div> or <div>→</div>	Copy and display one character from retained line
<div>F2</div>	Copy all characters up to specified character
<div>F3</div>	Copy all remaining characters from retained line
<div>F4</div>	Skip all characters to specified character of retained line
<div>F5</div>	Accept edited line for more editing as retained line
<div>Ins</div>	Toggle—insert characters

Typing a DOS Command

Type the DOS commands using the following format notation:

[] Items shown inside square brackets are optional. To include optional items, only type the information inside of the brackets. Do not type the brackets.

CAPS Words shown in capital letters are called *keywords*. The DOS command names are keywords. You must type the keywords, however, you can type keywords in any combination of uppercase and lowercase letters.

italics Items shown in lowercase italic letters mean that you are to substitute the item. If italic items are inside of brackets, then they are optional. For example:

filename

means type the name of your file in place of the word filename.

| A vertical bar means either/or. Choose one of the separated items and type it as part of the command. For example:

ON | OFF

means you can type ON or OFF, but not both.

... An ellipsis indicates that you can repeat an item.

Include all punctuation such as commas, equal signs, question marks, colons, slashes, and backslashes. Punctuation shown inside brackets is optional.

Batch Commands

Executes batch file
[d:][path]filename[.BAT][parameters]

Calls another batch file from within a batch file without ending the first batch file
CALL [d:][path]filename

Displays messages, disables or enables ‘echo message’
ECHO [ON | OFF] message]

Interactive execution of commands
FOR %%variable IN (set) DO command

Transfers control to label
GOTO [:]label

Conditional execution of commands
IF [NOT] condition command

Waits for operator to press any key
PAUSE [remark]

Conceals remarks . . .see ECHO
REM [remark]

Shifts command lines
SHIFT

DOS Commands

Allows a DOS path-like support for data files in addition to program files

The first time APPEND is loaded:
[d:][path]APPEND d:path[:][d:]path. . .]

or

[d:][path]APPEND [/X][/E]

After APPEND has been loaded:
APPEND d:path[:][d:]path. . .]

or

APPEND [:]

Make drive specifier x refer to drive y
[d:][path]ASSIGN [x]=[y][. . .]

Sets file to read-only or sets archive attributes on or off
[d:][path]ATTRIB
[+R | -R][+A | -A][d:][path]filename[.ext][/S]

DOS Commands

Backs up disk files
[d:][path]BACKUP d:[path][filename[.ext]]
d:[/S][/M][/A][/D:mm-dd-yy][/T:hh:mm:ss][/F]
[/L[:][d:][path]filename[.ext]]]

Permit extended checking for control break
BREAK [ON | OFF]

Allows you to select, change, and display the system code page
CHCP [nnn]

Changes current directory
CHDIR [d:][path]

or

CD [d:][path]

Checks disk and reports status
[d:][path]CHKDSK
[d:][path][filename[.ext]][/F][/V]

Clears the display screen
CLS

Start a secondary command processor
COMMAND[d:][path][/P][/C string]
[/E:xxxx]

Compares files
[d:][path]COMP [d:][path][filename[.ext]]
[d:][path][filename[.ext]]

Copies files
COPY [/A][/B][d:][path]filename[.ext][/A][/B]
[d:][path][filename[.ext]][/A][/B][/V]

or

COPY [/A][/B][d:][path]filename[.ext][/A][/B]
[+ [d:][path]filename[.ext][/A][/B]. . .]
[d:][path][filename[.ext]][/A][/B][/V]

Changes to an auxiliary console
CTTY device-name

Allows you to set or change the date
DATE [mm-dd-yy][| [dd-mm-yy][| [yy-mm-dd]

DOS Commands

Deletes files
DEL [d:][path]filename[.ext]

Lists filenames
DIR [d:][path][filename[.ext]][/P][/W]

Compares diskettes
[d:][path]DISKCOMP [d: [d:]][/1][/8]

Copies diskettes
[d:][path]DISKCOPY [d: [d:]][/1]

Erases files
ERASE [d:][path]filename[.ext]

Converts .EXE files to .COM format
[d:][path]EXE2BIN[d:][path]filename[.ext]
[d:][path][filename[.ext]]]

Allows for fast accessing of files by holding in memory the locations of directories and recently opened files
[d:][path]FASTOPEN d:[=nnn]. . .

Prepares fixed disk for DOS
[d:][path]FDISK

Searches files for strings of text
[d:][path]FIND[/V][/C][/N] “string” [[d:][path]
filename[.ext]. . .]

Formats diskettes or fixed disks
[d:][path]FORMAT
d:[/S][/1][/8][/V][/B][/4][/N:xx][/T:yy]

Loads a table of additional character data into memory for the color/graphics adapter
[d:][path]GRAFTABL
[437 | 860 | 863 | 865 | /STATUS]

Allows the contents of a graphics display screen to be printed when using a color/graphics monitor adapter and screen
[d:][path]GRAPHICS
[printer type][/R][/B][/LCD]

Connects a drive to a directory on another drive to produce a single directory structure
[d:][path]JOIN[d: d:directory][/D]

Loads a keyboard program and replaces the current resident program in ROM BIOS

[d:][path]KEYB
[xx[,yyy],[d:][path]filename[.ext]]]

DOS Commands

Create, change or delete a volume label
[d:][path]LABEL [d:][volume label]

Creates a sub-directory
MKDIR [d:]path

or

MD [d:]path

Sets mode on printer, display, Asynchronous Communication Adapter and sets up and controls code page switching
[d:][path]MODE LPT#[:][n][,m][,P]]

or

[d:][path]MODE n

or

[d:][path]MODE [n],m[,T]

or

[d:][path]MODE COM#[:]baud[, parity]
[,databits][,stopbits] [,P]]]

or

[d:][path]MODE LPT#[:]=COMn

or

[d:][path]MODE device CODEPAGE
PREPARE=((cp) [d:][path]filename[.ext])

or

[d:][path]MODE device CODEPAGE
PREPARE=((cplist) [d:][path]filename[.ext])

or

[d:][path]MODE device CODEPAGE
SELECT=cp

or

[d:][path]MODE device CODEPAGE
[/STATUS]

or

[d:][path]MODE device CODEPAGE
REFRESH

Pause standard output after 24 lines (Filter)
[d:][path]MORE [<filename.ext]



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DOS Commands

Permits you to select a code page when used with DISPLAY.SYS and PRINTER.SYS, and allows support for extended country information and code page switching

```
[d:][path]NLSFUNC [[d:][path]filename.ext]]
```

Searches specific directories for commands or batch files

```
PATH [[d:]path[[:d:]path]]]
```

or

```
PATH;
```

Prints and queues data files

```
[d:][path]PRINT[/D:device[/B:buffsiz]
[/U:busytick[/M:maxtick[/S:timeslice]
[/Q:quesiz[/C[/T[/P]
[[d:][path][filename.ext]. . .]]
```

Sets new prompt

```
PROMPT [prompt-text]
```

Recovers files from disk

```
[d:][path]RECOVER[d:][path]filename.ext]
```

or

```
[d:][path]RECOVER d:
```

Renames files

```
REN[AME] [d:][path]filename.ext]
filename.ext]
```

Replaces and adds files

```
[d:][path]REPLACE[d:][path]filename.ext]
[d:][path][[/A[/P[/R[/S[/W]
```

Restores backed up files from one disk to another disk

```
[d:][path]RESTORE
d: [d:][path]filename.ext][[/S[/P[/B:mm-dd-yy]
[/A:mm-dd-yy[/M[/N[/L:time[/E:time]
```

Removes a sub-directory

```
RMDIR [d:]path
```

or

```
RD [d:]path
```

Installs DOS on a new disk with the specified country information and keyboard layout

```
[d:][path]SELECT [[A: | B:[d:][path]] xxx yy
```

Display or change the command processor's environment

```
SET [name]=[parameter]]
```

DOS Commands

Loads support for file sharing

```
[d:][path]SHARE [/F:filesystem[/L:locks]
```

Sort data from the standard input device to the standard output device

```
[d:][path]SORT [/R] [/+ n]
```

Allows you to use a different drive specifier to refer to a drive or path

```
[d:][path]SUBST d: d:path
```

or

```
[d:][path]SUBST d: /D
```

or

```
[d:][path]SUBST
```

Transfers DOS

```
[d:][path]SYS d:
```

Enter or change the time known to the system

```
TIME [hh:mm:ss][.xx]]
```

Displays all directory paths

```
[d:][path]TREE [d:][/F]
```

Displays file contents

```
TYPE [d:][path]filename.ext]
```

Displays DOS version number

```
VER
```

Verifies data after every write to disk

```
VERIFY [ON | OFF]
```

Displays volume identification

```
VOL [d:]
```

Copies groups of files, including lower level subdirectories

```
[d:][path]XCOPY [d:][path]filename.ext]
[d:][path][filename.ext]] [/A[/D] [/E]
[/M[/P[/S[/V[/W]
```

or

```
[d:][path]XCOPY [d:]path[filename.ext]]
[d:][path][filename.ext]] [/A[/D] [/E]
[/M[/P[/S[/V[/W]
```

or

```
[d:][path]XCOPY d:[path][filename.ext]]
[d:][path][filename.ext]] [/A[/D] [/E]
[/M[/P[/S[/V[/W]
```

EDLIN Commands

Appends Lines

```
[n]A
```

Copies Lines

```
[line],[line],line[,count]C
```

Deletes Lines

```
[line],[line]D
```

Edits Line

```
[line]
```

Ends Edit, Saves Changes

```
E
```

Inserts Lines

```
[line]I
```

Lists blocks of lines

```
[line],[line]P
```

Moves Lines

```
[line],[line],lineM
```

Page

```
[line],[line]P
```

Quits Edit

```
Q
```

Replaces Text

```
[line],[line][?]R[string][<F6>string]
```

Searches Text

```
[line],[line][?]S[string]
```

Transfers Lines

```
[line]T[d:]filename
```

Write Lines

```
[n]W
```

DEBUG Commands

Assembles statements

```
A[address]
```

Compares memory

```
c range address
```

DEBUG Commands

Displays memory

```
D[address]
```

or

```
D[range]
```

Replaces memory contents

```
E address [list]
```

Changes memory blocks

```
F range list
```

Executes with optional breakpoints

```
G[=address][address[address. . .]]
```

Hexadecimal add-subtract

```
H value value
```

Reads and displays input byte

```
I portaddress
```

Loads file or absolute diskette sectors

```
L[address[drive sector sector]]
```

Moves memory block

```
M range address
```

Defines files and parameters

```
N [d:][path]filename.ext]
```

Sends output byte

```
O portaddress byte
```

Proceed with statements after jump

```
P [=address][value]
```

Ends DEBUG program

```
Q
```

Displays registers/flags

```
R [registername]
```

Searches for characters

```
S range list
```

Executes and displays

```
T [=address][value]
```

Unassembles instructions

```
U [address]
```

or

```
U [range]
```

Writes file or absolute diskette sectors

```
W [address[drive sector sector]]
```

CONFIG.SYS Commands

Sets BREAK = ON or OFF

```
BREAK = [ON | OFF]
```

Sets number of buffers DOS will allocate

```
BUFFERS = x
```

Specifies date and time format for a given country

```
COUNTRY=xxx,[yyy],[d:][path]filename.ext]
```

or

```
COUNTRY=xxx,[yyy]
```

Permits code page switching on the IBM PC Convertible LCD screen, EGA, and IBM Personal System/2™ displays

```
DEVICE=[d:][path]DISPLAY.SYS CON[:]=
(type[,hwcp[,n]])
```

or

```
DEVICE=[d:][path]DISPLAY.SYS CON[:]=
(type[,hwcp[,.(n,m)])]
```

Permits code page switching on the IBM Proprinter Model 4201 and IBM Quietwriter III Printer Model 5202

```
DEVICE=[d:][path]PRINTER.SYS LPT#[:]=
(type[,hwcp[,n]])
```

or

```
DEVICE=[d:][path]PRINTER.SYS LPT#[:]=
(type[,.(hwcp1,hwcp2,. . .)][n]])
```

Sets number of control blocks that can be concurrently open

```
FCBS = m, n
```

Sets maximum number of files that can be concurrently open

```
FILES = x
```

Sets maximum number of drives that can be accessed

```
LASTDRIVE = x
```

Loads a top-level command processor

```
SHELL=[d:][path]filename.ext]
[parm1][parm2]
```

Allows you to override the default stack

```
STACKS=n,s
```

Personal System/2 is a trademark of the International Business Machines Corporation

Notes:

Quick Reference Card

Programming Family

